

October 14, 2020

Coastal GasLink Pipeline Ltd.
450 - 1st Street SW
Calgary, AB T2P 5H1

Attention: Coastal GasLink Pipeline Ltd.

RE: Permit Replacement for Application Determination Number 100082714, OGC Legacy 9642175

Permit Holder: Coastal GasLink Pipeline Ltd.
Permit Date of Issuance: August 28, 2015
Extension Effective Date: October 23, 2020
Replacement Expiration Date: August 28, 2021
Application Determination No.: 100082714
Description: Geotechnical Investigation

PERMISSIONS

1. The BC Oil and Gas Commission (the "Commission"), hereby replaces the permit and any associated authorizations to construct and operate an ancillary oil and gas activity.
2. This permit replacement is subject to the original permit, authorizations, subsequent amendments and any additional conditions as set out herein.
3. The permit has been replaced and will expire on August 28, 2021, if the Permit Holder has not begun the activity by this date.

This Replacement forms an integral part of the permit and should be attached thereto.



Norberto Pancera
Authorized Signatory
Commission Delegated Decision Maker

Copied to:

Land Agent – Roy Northern Land Service Ltd.

October 21, 2019

Coastal GasLink Pipeline Ltd.
450 - 1st Street SW
Calgary, AB T2P 5H1

Attention: Coastal GasLink Pipeline Ltd.

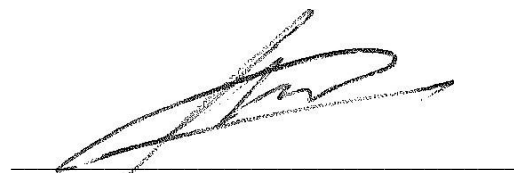
RE: Permit Replacement for Application Determination Number 100082714, OGC Legacy 9642175

Permit Holder: Coastal GasLink Pipeline Ltd.
Permit Date of Issuance: August 28, 2015
Replacement Expiration Date: October 23, 2020
Application Determination No.: 100082714
Description: Geotechnical Investigation

PERMISSIONS

1. The BC Oil and Gas Commission (the "Commission"), hereby replaces the permit and any associated authorizations to construct and operate an ancillary oil and gas activity.
2. This permit replacement is subject to the original permit, authorizations, subsequent amendments and any additional conditions as set out herein.
3. The permit has been replaced and will expire on October 23, 2020, if the Permit Holder has not begun the activity by this date.

This Replacement forms an integral part of the permit and should be attached thereto.



Norberto Pancera
Authorized Signatory
Commission Delegated Decision Maker

Copied to:
Land Agent – Roy Northern Land Service Ltd.
OGC – Compliance & Enforcement

August 7, 2019

Coastal GasLink Pipeline Ltd.
450 - 1st Street SW
Calgary, AB T2P 5H1

Attention: Coastal GasLink Pipeline Ltd.

RE: Permit Replacement for Application Determination Number 100082714, OGC Legacy 9642175

Permit Holder: Coastal GasLink Pipeline Ltd.
Permit Date of Issuance: August 28, 2015
Replacement Date of Issuance: August 7, 2019
Replacement Expiration Date: October 23, 2019
Application Determination No.: 100082714
Description: Geotechnical Investigation

PERMISSIONS

1. The BC Oil and Gas Commission (the "Commission"), hereby replaces the permit and any associated authorizations to construct and operate an ancillary oil and gas activity.
2. This permit replacement is subject to the original permit, authorizations, subsequent amendments and any additional conditions as set out herein.
3. The permit has been replaced and will expire on October 23, 2019.

This Replacement forms an integral part of the permit and should be attached thereto.



Tarilee Rauscher
Authorized Signatory
Commission Delegated Decision Maker

Copied to:

Land Agent – Roy Northern Land Service Ltd.
OGC – Compliance & Enforcement

August 1, 2017

Coastal GasLink Pipeline Ltd.
450 - 1st Street SW
Calgary, AB T2P 5H1
Attention: Coastal GasLink Pipeline Ltd.

RE: Permit Extension for Application Determination Number 100082714, OGC Legacy 9642175

Permit Holder: Coastal GasLink Pipeline Ltd.
Permit Date of Issuance: August 28, 2015
Extension Date of Issuance: August 1, 2017
Extended Expiration Date: August 28, 2019
Application Determination No.: 100082714
Description: Geotechnical Investigation

PERMISSIONS

1. The BC Oil and Gas Commission (the Commission) hereby extends the permit as follows:
 - a) The permit expiry date is changed from August 28, 2017 to August 28, 2019.
2. This permit extension is subject to the original permit, authorizations, subsequent amendments and any additional conditions as set out herein.

Petroleum and Natural Gas Act

3. Pursuant to Section 138(1) of the *Petroleum and Natural Gas Act*, the Permit Holder is authorized to enter, occupy and use any unoccupied Crown land located within the operating area to carry out the oil and gas activity and related activities authorized under this permit.

CONDITIONS

4. The rights granted by this authorization are subject to all subsisting grants to or rights of any person made or acquired under the *Coal Act*, *Forest Act*, *Land Act*, *Mineral Tenure Act*, *Petroleum and Natural Gas Act*, *Range Act*, *Water Sustainability Act* or *Wildlife Act*, or any extension or renewal of the same.
5. The Permit Holder must not assign or sublicense this permit or permit any person to use or occupy the land, other than its employees, contractors, or representatives, without the Commission's written consent.
6. The Permit Holder must ensure that the area is maintained in a condition so as to minimize hazards, including but not limited to hazards associated with storage of materials and equipment.
7. The Permit Holder must ensure that the area is free of garbage, debris and unused equipment.

ADVISORY GUIDANCE

1. Appropriate *Land Act* tenure will be issued upon acceptance of the post-construction plan. Submission of the original application and submission of the post-construction plan is considered application for all subsequent *Land Act* tenures; no further applications for replacement tenure is required.

Application Determination number: 100082714

2. On September 21, 2015, section 14 of the *Land Act* was repealed. Accordingly, the section 14 *Land Act* authorization originally granted to enter, occupy and use any unoccupied Crown land for the purposes of carrying out this oil and gas activity is now authorized under section 138(1) of the *Petroleum and Natural Gas Act*, and the original authorization will be cancelled.
3. The term “unused equipment” has the same definition as in the Drilling and Production Regulation.

This extension forms an integral part of the permit and should be attached thereto.



Tarilee Rauscher
Authorized Signatory
Commission Delegated Decision Maker

pc: Land Agent – Roy Northern Land Service Ltd.



Commission File No: 9642175

August 28, 2015

Coastal GasLink Pipeline Ltd.
450-1st Street SW
Calgary, Alberta T2P 5H1

Attention: Coastal GasLink Pipeline Ltd.

Re: Investigative Permit- Section 14 over Crown Land, Peace River District
within Unit 60, Block A & Unit 51, Block B, 93-P-12; Units 78, 79, 88 & 89, Block G, 93-P-5;
Unit 89 & 99, Block F, 93-P-4.

Date of Issuance: August 28, 2015
Commission File No: 9642175
Applicant File No: 130473(Peace Borrow Pits - Batch 3)

PERMISSIONS

The Oil and Gas Commission ("Commission") hereby authorizes the holder of permit number 9642175, under section 14 of the Land Act, to allow Coastal GasLink Pipeline Ltd. (the "permit holder") to occupy Crown land within the areas described as test pits/borehole pads and temporary trails in the attached sketch plan:

Document No: CGE4703-MSI-G-MP-289-002-BorrowPit-3-Peace_FD-Sketch, Revision 2, dated March 4, 2015
Document No: CGE4703-MSI-G-MP-289-003-BorrowPit-3-Peace_FD-Sketch, Revision 2, dated March 4, 2015
Document No: CGE4703-MSI-G-MP-289-004-BorrowPit-3-Peace_FD-Sketch, Revision 2, dated March 4, 2015

as submitted to the Commission in the permit application dated March 24, 2015 (hereinafter referenced together as the "Site"), to conduct appraisals, inspections, analyses, inventories, surveys or other investigations under Authorization Number 948250, subject to conditions set out below.

CONDITIONS

1. The permit holder may use and occupy the Site only for the purposes of investigating the site for potential oil and gas activities and related activities as defined in the Oil and Gas Activities Act.
2. The total disturbance within the investigative area must not exceed 3.264 ha.
3. The permit holder will indemnify the Province of British Columbia (the Province) and the Commission against all losses, damages, costs and liabilities arising out of any breach or non-performance of any condition or agreement set out in this Permit and any personal injury,

death or property damage occurring within the Site, or happening by virtue of its occupation of the Site, and the amount of such losses, damages and costs shall be payable to the Province or the Commission immediately.

4. The permit holder will immediately effect, and keep in force while this Permit is in effect, insurance of an amount not less than \$1,000,000 protecting the Province, the Commission and the permit holder (without any rights of cross-claim or subrogation) against claims for personal injury, death, property damage, or third party or public liability claims arising from any accident or occurrence on the Site.
5. The permit holder will restore the site to the satisfaction of the Commission following expiration or cancellation of this Permit.
6. The authorization to occupy and use Crown land does not entitle the permit holder to exclusive possession of the Site. The permit holder will not interfere with any person found on the Site who has a public right of access over the Site or is using the Site pursuant to a prior or subsequent Land Act disposition.
7. The rights granted by this permit are subject to all subsisting grants to or rights of any person made or acquired under the Coal Act, Forest Act, Mineral Tenure Act, Petroleum and Natural Gas Act, Range Act, Water Act or Wildlife Act, or any extension or renewal of the same, any prior dispositions made under the Land Act, and the exceptions and reservations of rights and interests under section 50 of the Land Act.
8. The permit holder will acknowledge and agree that any interference with rights granted under this permit by virtue of the exercise or operation of the rights or interests set out in the Sections (6) or (7) above shall not constitute a breach of the Province's or the Commission's obligations under this permit and the permit holder will release and discharge the Province and/or the Commission from any claim for loss or damage arising directly or indirectly out of any such interference. The permit holder will also agree to pay all costs and expenses that arise out of the permit holder's interference with the rights or interests set out in Sections (6) or (7) and that the permit holder will not commence or maintain proceedings under Section 65 of the Land Act with respect to interference with the permit holder's rights arising out of exercise or operation of the rights set out in Sections (6) or (7).
9. The permit holder must pay to the Province, when due, the Fees to the address and in accordance with the instructions set out in the attached covering letter.
10. The permit holder must not assign or sub-tenure this Permit. The permit holder must not transfer this permit without the Commission's written consent, which consent may be granted or withheld at the Commission's sole discretion.
11. This permit expires two years from the date of issuance.
12. The permit holder must notify the Commission a minimum of 48 hours prior to the commencement of activities under this permit. Notification must be sent to OGC.ExternalNotification@bcogc.ca.
13. An AIA report must be submitted to the Commission as soon as practicable.

If artifacts, features, materials or things protected under section 13(2) of the Heritage Conservation Act are identified the permit holder must, unless the permit holder holds a permit under section 12 of the Heritage Conservation Act issued by the Commission in respect of that artifact, feature, material or thing:

- a. immediately cease all work in the vicinity of the artifacts, features, materials or things;
 - b. immediately notify the Commission and the Archaeology Branch of the Ministry of Forests, Lands and Natural Resource Operations
 - c. refrain from resuming work in the vicinity of the artifacts, features, materials or things except in accordance with an appropriate mitigation plan that has been prepared in accordance with the Heritage Conservation Act and approved by the Commission.
14. Within 60 days of the completion of the clearing phase of the activity authorized, the permit holder must submit to the Commission a Post-construction plan as an ePASS shape file accurately identifying the locations of the overall disturbance within the Site.
15. The permit holder must abide by and comply with all applicable laws, bylaws, orders, directions, ordinances, and regulations of any government authority having jurisdiction in any way affecting its use or occupation of the Site, including, without limitation, the provisions of the Land Act and the provisions of this Permit.

CUTTING PERMIT AUTHORIZATION

1. The Commission hereby issues the Permit holder Cutting Permit No. 11 under Master Licence to Cut number M02340, subject to the following conditions:
 - a. This Cutting Permit is subject to the terms and conditions in the Master Licence to Cut.
 - b. This Cutting Permit applies to only the Crown land portion shown on survey plan associated with this Permit.
 - c. All harvested Crown timber must be marked with Timber Mark Number MTB 388.
 - d. This Cutting Permit is deemed spent upon the submission of the "Post-Construction Plan" or upon either the cancellation or the expiry of the "permitted oil and gas activity".
 - e. This Cutting Permit does not grant the Permit Holder the exclusive right to harvest timber from the License area and the Commission reserves the right to grant rights to other persons to harvest timber from the License area.
 - f. The felling, bucking and utilization specifications as described in Appendix A of your Master License to Cut applies to this Cutting Permit.
 - g. Stumpage for this Cutting Permit will be calculated as per Section 6.6 in the Interior Appraisal Manual
 - Stumpage billing will be calculated on the gross project area. The amount billed will be determined upon submission of final Post-Construction Plans to the Commission.
 - h. Timber that is stored in decks or piles must be marked with the correct timber mark before transportation, or at the end of every shift. The marking must be applied to one end of at least 10% of the timber pieces in each deck or pile using a hammer indentation or paint. Marking must be kept concurrent with decking.
 - i. Where the Permit Holder is aware of overlapping forest tenure rights that have been granted to other persons, the Permit Holder is obligated to communicate to these persons the timing and extent of their harvest operations at least two weeks prior to commencement of harvest and take all reasonable steps to coordinate their activities with these persons.
 - j. In accordance with the Master Licence to Cut referenced above, "Within 60 days of completing operations on a Cutting Permit, the Licensee shall submit to the Commission a map showing all disturbances that have occurred pursuant to that Cutting Permit, at a scale of 1:20,000 or 1:50,000".

2. This permit authorizes a maximum total new cut area of 3.264 ha within the investigative area.

CHANGES IN AND ABOUT A STREAM AUTHORIZATION

Pursuant to section 9 of the *Water Act*, the Commission hereby authorizes the permit holder to make changes in and about a stream subject to the following conditions:

1. The approved temporary stream crossing locations on the Crown land are located at:
 - a. UTM locations N. 6140430.5 E. 580733.4, Zone 10
 - b. UTM locations N. 6140242.4 E. 580535.2, Zone 10
 - c. UTM locations N. 6140058.0 E. 580629.0, Zone 10
2. Any substance, sediment, debris or material that could adversely impact the stream:
 - a. must not be allowed or permitted to enter or leach or seep into the stream from an activity, construction, worksite, machinery or from components used in the construction of any works, or
 - b. must not be placed, used or stored within the stream channel.
3. Temporary material, fill, bridge, culvert, pump, pipe, conduit, ditch or other structure used in the construction of any works must be constructed and maintained only during the period of construction, and must be removed upon completion of the works;
4. Activities associated with the stream crossing are carried out in accordance with the regional and /or species -specific timing windows or the periods of time in the year when change can proceed without causing serious harm to fish, wildlife or habitat;
5. Instream works associated with this project must not prevent the movement of fish, nor impede the movement of fish to the extent that it is harmful to the survival of the fish.
6. During the construction of a snow fill or ice bridge across a stream, the authorization holder must ensure that:
 - a. the sides of the stream are protected at the stream crossing location,
 - b. naturally occurring stream flow is not obstructed or prevented from flowing under the crossing, and
 - c. the crossing is removed at the end of the period of use at a time, before the next freshet, when the removal can proceed without causing harm to fish, wildlife or habitat.
7. During the temporary ford of a stream the authorization holder must ensure that:
 - a. the construction occurs at a time of the year during which the construction can occur without causing harm to fish, wildlife or habitat,
 - b. the 1 in 10 year maximum daily flow over the ford is accommodated without the loss of the ford and without scouring the stream,
 - c. a stream culvert, if used, is designed and installed to pass the average low flow during the period of use,
 - d. the stream channel is protected against erosion during the period of construction and use of the ford, and
 - e. the temporary ford is removed at the end of the period of use at a time, before the next freshet, when the removal can proceed without causing serious harm to fish, wildlife or habitat.

8. During the installation, maintenance or removal of a stream culvert for crossing a stream, the authorization holder must ensure that:
- a. equipment used for site preparation, construction, maintenance or removal of the culvert is operated from the top of the bank,
 - b. in fish bearing waters, the culvert allows fish in the stream to pass up or down stream under all flow conditions,
 - c. the culvert inlet and outlet incorporate measures to protect the structure and the stream channel against erosion and scour,
 - d. if debris cannot safely pass, provision is made to prevent the entrance of debris into the culvert,
 - e. the installation, maintenance or removal does not destabilize the stream channel,
 - f. the culvert and its approach roads do not produce a backwater effect or increase the head of the stream,
 - g. the culvert capacity is equivalent to the hydraulic capacity of the stream channel or is capable of passing the 1 in 10 year maximum daily flow without the water level at the culvert inlet exceeding the top of the culvert,
 - h. the culvert has a minimum equivalent diameter of 600 mm,
 - i. a culvert having an equivalent diameter of 2 metres or greater, or having a design capacity to pass a flow of more than 6 cubic metres a second, is designed by a professional engineer and is constructed in conformance with that design,
 - j. the stream channel, located outside the cleared width, is not altered,
 - k. embankment fill materials do not and will not encroach on culvert inlets and outlets,
 - l. the culvert has a depth of fill cover which is at least 300 mm or as required by the culvert manufacturer's specifications,
 - m. the maximum fill heights above the top of the culvert do not exceed 2 m, and
 - n. the culvert is fabricated in compliance with the Canadian Standards Association standard CSA G401, Corrugated Steel Pipe Products, or section B182.2 of the Canadian Standards Association standard CSA B1800, whichever is applicable;
9. During the construction, maintenance or removal of a clear span bridge, the authorization holder must ensure that:
- a. the bridge and its approach roads do not produce a back water effect or increase the head in the stream,
 - b. the equipment used for construction, including site preparation, maintenance or removal of the bridge, is situated in a dry stream channel or is operated from the top of the bank,
 - c. the hydraulic capacity of the bridge is equivalent to the hydraulic capacity of the stream channel, or is capable of passing the 1 in 10 year maximum daily flow, whichever is greater, and the height under the bridge will provide free passage of flood debris and ice flows, and
 - d. the bridge is designed and fabricated in compliance with the Canadian Bridge Design Code, CAN/CSA-86, of the Canadian Standards Association;
10. During the restoration of a change in and about a stream, the authorization holder must ensure that:
- a. any structures constructed to cross the stream are removed,
 - b. the channel is restored to its natural state, to the extent practicable,
 - c. the site of the crossing and associated approaches (including cut and fill slopes and ditch lines) are restored by:
 - i. stabilizing any waste materials removed from the site to above the high water mark to prevent them from entering the stream,
 - ii. re-vegetating disturbed areas associated with the crossing using seed or vegetative propagules of an ecologically suitable species,
 - iii. redistributing coarse wood debris in a manner that aids soil stabilization, and

- iv. ensuring that surface drainage associated with approaches will not transport sediments into the stream.

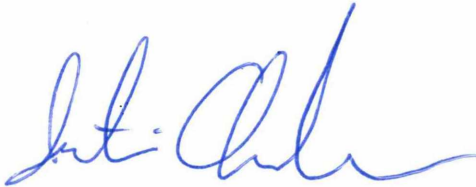
ADDITIONAL CONDITIONS

1. In consideration of West Moberly First Nations, the Permit holder must notify the West Moberly First Nations Lands Use Department prior to commencement of activities.
2. In consideration of the Saulneau First Nations, the Permit holder must notify Saulneau First Nations Land Use Office prior to commencement of activities.
3. In consideration of the McLeod Lake Indian Band, the Permit holder must notify the McLeod Lake Indian Band Land Use Office prior to commencement of activities.
4. No borehole pad or test pits are to be located within the Riparian Management Area of any watercourse, wetland or lake.
5. The permit holder must not undertake construction or significant maintenance activities at Potential Borrow Pit 6405/6530 within the Quintette Caribou Herd Area between May 15 and July 15.
6. The permit holder must not undertake activities associated within this Permit within any Wildlife Tree Retention Area.

ADVISORY GUIDANCE

1. An AIA report must be submitted to the Archaeology Branch of the Ministry of Forests, Lands and Natural Resource Operations as soon as practicable.


















The attached plan(s) form an integral part of this authorization.



Justin Anderson
Review Approval Resource Officer

pc. Roy Norther Land Service Ltd.
OGC File: 9642175
OGC, First Nations (Blueberry River First Nation, Kelley Lake Cree Nation, Kelly Lake First Nation, Kelly Lake Metis Society, McLeod Lake Indian Band, Sauleau First Nation, West Moberly First Nations)
MoFLNRO, Peace

LEGEND:

	Proposed 30 x 30 Test Pit / Borehole Pad		Tree Farm Licence
	Proposed 55 x 55 Test Pit / Helipad / Borehole Pad		Caribou Herd
	Investigative Area		Wetlands
	Coastal GasLink Proposed Route		Hydrology (TRIM Data)
	Agricultural Land Reserve		Windpower Permit, Map Reserve, Notation of Interest
	District Lot		Trapper Boundary
	Roads		PNG Grid Boundary
			Riparian Management Zone
			Riparian Reserve Zone
			Visually Sensitive Area

Caribou Range: Quintette Herd
Coal Licence: None
Community Forest: None
Guide / Outfitter: 701245
Mineral Reserve: 328778
Mineral Interest: None
Range Tenure: None
Trapper: 722T004
Tree Farm Licence: TFL48
Ungulate Winter Ranges: None
Visually Sensitive Area: None
Wildlife Habitat Area: None
Wildlife Tree Retention Area: No
Wood Lot: None

NOTES:

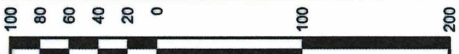
- The proposed project is not within the Agricultural Land Reserve (ALR).
- Project to be flagged at time of construction.
- UTM Coordinates shown are NAD83 Zone 10 N.
- The proposed project is within the South East OGC Zone
- Distances shown are in meters and decimals thereof.

MIDWEST SURVEYS LAND SURVEYING LTD.
 11003 Alaska Road
 Fort St. John, BC
 V1J 6P3
 Tel: 250-785-3902
 IB-0015-12

BCGS: 93P.052
 EPASS #10049064

REVISION	DESCRIPTION
2	Issued - Canceled Site 5652, Mar 4, 2015

SCALE 1:5,000



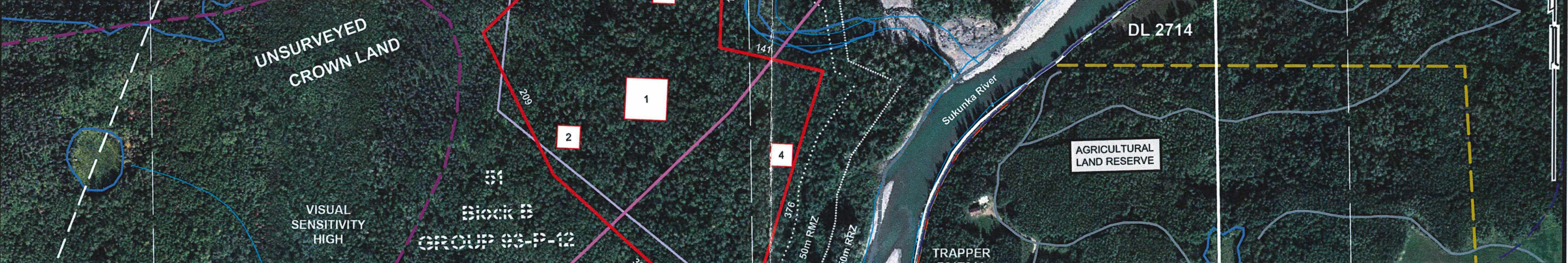
NOTE

POTENTIAL BORROW PIT 6405 / 6530

Proposed 13.21 ha Investigative Area to contain approximately 4 Test Pits/Boreholes and temporary trails.

New Cut areas required within Investigative Area:
 Test Pits / Borehole Pads = 0.573 ha.
 Temp Trails = 0.486 ha.
 Total = 1.059 ha.

A Post Construction Plan and As-Cleared Plan will be issued to show final locations and clearing.



TEST PIT / BOREHOLE	NORTHING	EASTING	AREA
1	6156632.0	586522.0	0.303 ha.
2	6156582.0	586420.0	0.090 ha.
3	6156773.0	586545.0	0.090 ha.
4	6156558.0	586701.0	0.090 ha.
Total Test Pit / Borehole Pad Areas =			0.573 ha.

TABLE OF AREAS REQUIRED - PEACE FOREST DISTRICT (CROWN LANDS)

Proposed Features:	New Cut	Existing Clearing	Total
Test Pits / Borehole Pads	1.563 ha	0.00 ha	1.563 ha
Temp Trails (Within Investigative Areas)	1.701 ha	0.00 ha	1.701 ha
Total Proposed Footprint Area	3.264 ha	0.00 ha	3.264 ha
Total Crown Land Disturbance = 3.264 ha.			
Investigative Areas (3) Total Area = 35.97 ha.			

Coastal GasLink Pipeline Project

TransCanada
In business to deliver

COASTAL GASLINK PIPELINE LTD.

SKETCH PLAN
GEOTECHNICAL INVESTIGATION PROGRAM
PEACE FOREST DISTRICT
POTENTIAL BORROW PIT 6405 / 6530
 WITHIN
UNIT 60 BLOCK A GROUP 93-P-12 &
UNIT 51 BLOCK B GROUP 93-P-12

PEACE RIVER DISTRICT

Route Reference: RevE1
 Document No. CGE4703-MSI-G-MP-289-002-BorrowPit-3-Peace_FD-Sketch

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 Rev 2

LEGEND:

	Proposed 30 x 30 Test Pit / Borehole Pad		Wildlife Tree Retention Group
	Investigative Area		Wildlife Tree Retention
	Existing Access		Wetlands
	Agricultural Land Reserve		Hydrology (TRIM Data)
	Mineral Reserve		Windpower Permit, Map Reserve, Notation of Interest
	Roads		PNG Grid Boundary
			Dawson Creek Land and Resource Management Plan

NOTES:

- The proposed project is partially within the Agricultural Land Reserve (ALR).
- Project to be flagged at time of construction.
- UTM Coordinates shown are NAD83 Zone 10 N.
- The proposed project is within the South East OGC Zone
- Distances shown are in meters and decimals thereof.

MIDWEST SURVEYS LAND SURVEYING LTD.
 11003 Alaska Road
 Fort St. John, BC
 V1J 6P3
 Tel: 250-785-3902
 IB-0015-12

BCGS: 93P.032 & 93P.042
 EPASS #10049064

REVISION	DESCRIPTION
2	Issued - Canceled Site 5652, Mar 4, 2015

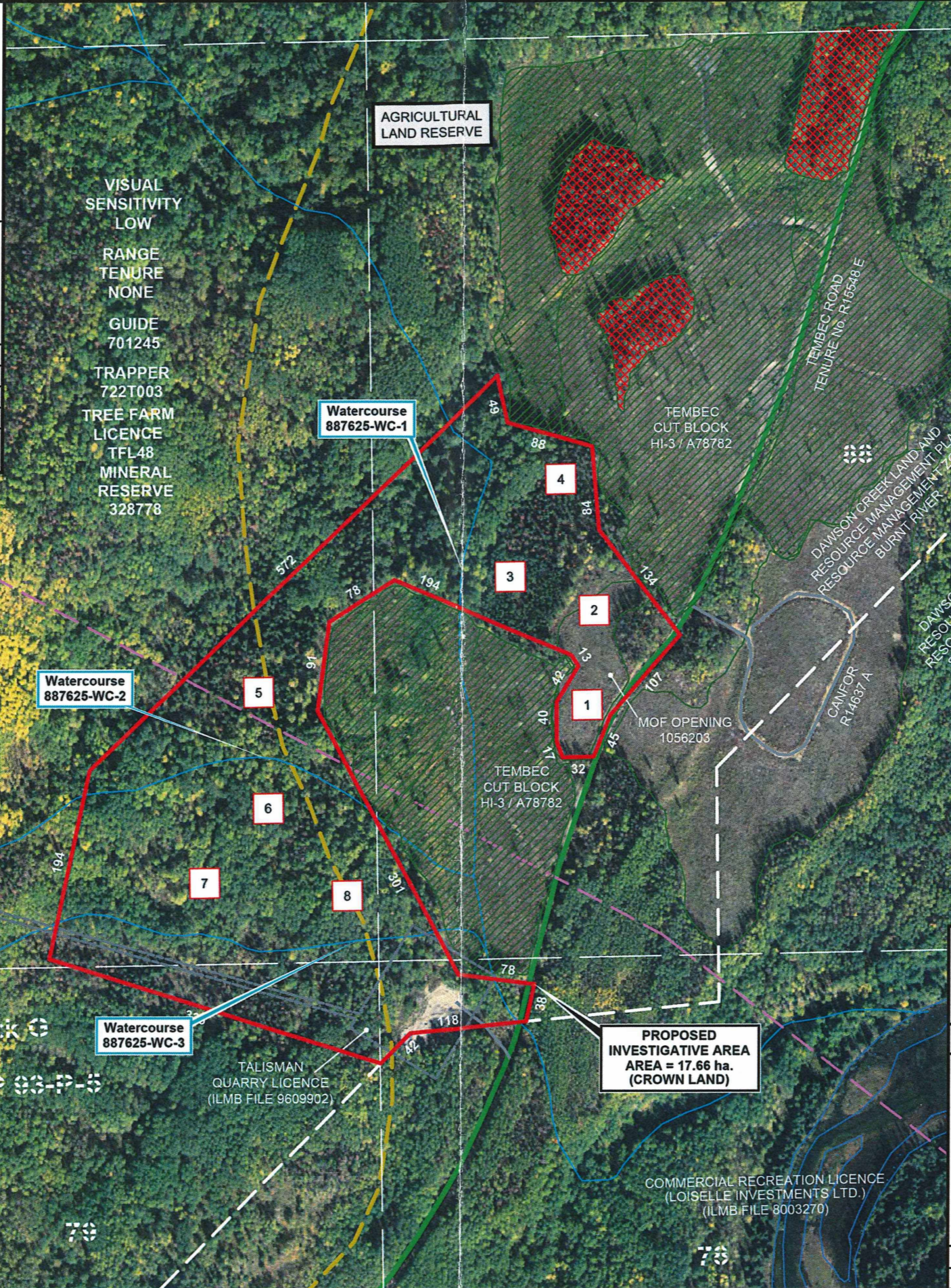
SCALE 1:5,000 METERS

Caribou Range: None
Coal Licence: None
Community Forest: None
Guide / Outfitter: 701245
Mineral Reserve: 328778, 328800
Mineral Interest: None
Range Tenure: None
Trapper: 722T003
Tree Farm Licence: TFL48
Ungulate Winter Ranges: None
Visually Sensitive Area: Low
Wildlife Habitat Area: None
Wildlife Tree Retention Area: No
Wood Lot: None

TEST PIT / BOREHOLE	NORTHING	EASTING	AREA
1	6140295.0	580860.2	0.090 ha.
2	6140390.3	580867.0	0.090 ha.
3	6140424.3	580783.1	0.090 ha.
4	6140522.5	580832.7	0.090 ha.
5	6140308.0	580529.2	0.090 ha.
6	6140191.2	580539.5	0.090 ha.
7	6140115.8	580475.1	0.090 ha.
8	6140103.2	580619.2	0.090 ha.
Total Test Pit / Borehole Pad Areas =			0.720 ha.

TABLE OF AREAS REQUIRED - PEACE FOREST DISTRICT (CROWN LANDS)

Proposed Features:	New Cut	Existing Clearing	Total
Test Pits / Borehole Pads	1.563 ha	0.00 ha	1.563 ha
Temp Trails (Within Investigative Areas)	1.701 ha	0.00 ha	1.701 ha
Total Proposed Footprint Area	3.264 ha	0.00 ha	3.264 ha
Total Crown Land Disturbance = 3.264 ha.			
Investigative Areas (3) Total Area = 35.97 ha.			



Watercourse Crossings

Crossing No.	Northing	Easting
887625-WC-1	6140430.5	580733.4
887625-WC-2	6140242.4	580535.2
887625-WC-3	6140058.0	580629.0

NOTE

POTENTIAL BORROW PIT 887625

Proposed 17.66 ha Investigative Area to contain approximately 8 Test Pits/Boreholes and temporary trails.

New Cut areas required within Investigative Area:
 Test Pits / Borehole Pads = 0.720 ha.
 Temp Trails = 1.068 ha.
 Total = 1.788 ha.

A Post Construction Plan and As-Cleared Plan will be issued to show final locations and clearing.

Coastal GasLink Pipeline Project

TransCanada
In business to deliver

COASTAL GASLINK PIPELINE LTD.

SKETCH PLAN
GEOTECHNICAL INVESTIGATION PROGRAM
PEACE FOREST DISTRICT
POTENTIAL BORROW PIT 887625
 WITHIN
UNITS 78, 79, 88, & 89 BLOCK G GROUP 93-P-5

PEACE RIVER DISTRICT

Route Reference: RevE1
 Document No. CGE4703-MSI-G-MP-289-003-BorrowPit-3-Peace_FD-Sketch

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 Mar 4, 2015
 Rev 2

LEGEND:

- 1 Proposed 30 x 30 Test Pit / Borehole Pad
- Investigative Area
- Existing Access
- Agricultural Land Reserve
- Roads
- Tree Farm Licence
- Hydrology (TRIM Data)
- Windpower Permit, Map Reserve, Notation of Interest
- PNG Grid Boundary
- Coal Licence

NOTES:

- The proposed project is partially within the Agricultural Land Reserve (ALR).
- Project to be flagged at time of construction.
- UTM Coordinates shown are NAD83 Zone 10 N.
- The proposed project is within the South East OGC Zone
- Distances shown are in meters and decimals thereof.

MIDWEST SURVEYS LAND SURVEYING LTD.
 11003 Alaska Road
 Fort St. John, BC
 V1J 6P3
 Tel: 250-785-3902
 IB-0015-12

BCGS: 93P.011
 EPASS #10049064

REVISION	DESCRIPTION
2	Issued - Canceled Site 5652, Mar 4, 2015

SCALE 1:5,000
0
100
200
 METERS

NOTE

POTENTIAL BORROW PIT PBS 60

Proposed 5.10 ha Investigative Area to contain approximately 3 Test Pit/Borehole and temporary trails.

New Cut areas required within Investigative Area:
 Test Pits / Borehole Pads = 0.270 ha.
 Temp Trails = 0.147 ha.
 Total = 0.417 ha.

A Post Construction Plan and As-Cleared Plan will be issued to show final locations and clearing.



Caribou Range: None
Coal Licence: None
Community Forest: None
Guide / Outfitter: 701245
Mineral Reserve: 328778
Mineral Interest: None
Range Tenure: None
Trapper: 722T001
Tree Farm Licence: TFL48
Ungulate Winter Ranges: None
Visually Sensitive Area: Low
Wildlife Habitat Area: None
Wildlife Tree Retention Area: No
Wood Lot: None

TEST PIT / BOREHOLE	NORTHING	EASTING	AREA
1	6113265.8	572938.8	0.090 ha.
2	6113334.3	572983.9	0.090 ha.
3	6113146.0	573050.4	0.090 ha.
Total Test Pit / Borehole Pad Areas =			0.270 ha.

TABLE OF AREAS REQUIRED - PEACE FOREST DISTRICT (CROWN LANDS)

Proposed Features:	New Cut	Existing Clearing	Total
Test Pits / Borehole Pads	1.563 ha	0.00 ha	1.563 ha
Temp Trails (Within Investigative Areas)	1.701 ha	0.00 ha	1.701 ha
Total Proposed Footprint Area	3.264 ha	0.00 ha	3.264 ha
Total Crown Land Disturbance = 3.264 ha.			
Investigative Areas (3) Total Area = 35.97 ha.			

GUIDE
701245
 TRAPPER
722T001
 MINERAL RESERVE
328778
 TREE FARM LICENCE
TFL48
 RANGE TENURE
NONE

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SKETCH PLAN
GEOTECHNICAL INVESTIGATION PROGRAM
PEACE FOREST DISTRICT
POTENTIAL BORROW PIT PBS 60
 WITHIN
UNITS 89 & 99 BLOCK F GROUP 93-P-4

PEACE RIVER DISTRICT

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